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TITLE: PRODUCTION OF ANTIMICROBIAL COATING FILM AND  
ANTIMICROBIAL COATING FILM FORMED THEREBY

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ABSTRACT:

PROBLEM TO BE SOLVED: To obtain an antimicrobial coating film free from adverse effect as its discoloration due to the antimicrobial ingredient and affording antimicrobial effect such as mildewproofness and algaproofness, by applying an antimicrobial coating material containing a small amount of silver ultra- micropturcules to form a coating film which, in turn, is heated at a specific temperature.

SOLUTION: This antimicrobial coating film is obtained by applying an antimicrobial coating material containing 0.001-1 wt.%, based on the matrix

resin, of silver ultra-microparticles  $\leq 50$  nm in average size to form a coating film, which, in turn, is heated at  $150 \pm 25^\circ\text{C}$  for pref. 20-80 min.

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